

UNITED STATES OF AMERICA
COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

OFPS FILE NO.
P/1071-1387

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

INSULATIVE CERAMIC COMPACT

the specification of which is attached hereto, unless the following box is checked:

☐ was filed on _____ as United States patent Application Number or PCT International patent application number _____ and was amended on _____ (if any).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information known to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim priority benefits under Title 35, United States Code §119 of any foreign application(s) for patent or inventor's certificate or United States provisional application(s) listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign or Provisional Application(s)

| COUNTRY | APPLICATION NUMBER | DATE OF FILING (day, month, year) | PRIORITY CLAIMED UNDER 35 U.S.C. 119 |
|---------|--------------------|--------------------------------------|---|
| Japan | 2000-220869 | July 21, 2000 | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |
| Japan | 2000-220868 | July 21, 2000 | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |
| | | | YES <input type="checkbox"/> NO <input type="checkbox"/> |

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

| UNITED STATES APPLICATION NUMBER | DATE OF FILING (day, month, year) | STATUS (patented, pending, abandoned) |
|-------------------------------------|--------------------------------------|--|
| | | |
| | | |
| | | |

I hereby appoint customer no. 2352 OSTROLENK, FABER, GERB & SOFFEN, LLP, and the members of the firm, Samuel H. Weiner - Reg. No. 18,510; Jerome M. Berliner - Reg. No. 18,653; Robert C. Faber - Reg. No. 24,322; Edward A. Meilman - Reg. No. 24,735; Steven I. Weisburd - Reg. No. 27,409; Max Moskowitz - Reg. No. 30,576; Stephen A. Soffen - Reg. No. 31,063; James A. Finder - Reg. No. 30,173; William O. Gray, III - Reg. No. 30,944; Louis C. Dujmich - Reg. No. 30,625; Douglas A. Miro - Reg. No. 31,643, and Michael J. Scheer - Reg. No. 34,425, as attorneys with full power of substitution and revocation to prosecute this application, to transact all business in the Patent & Trademark Office connected therewith and to receive all correspondence.

SEND CORRESPONDENCE TO:

OSTROLENK, FABER, GERB & SOFFEN, LLP
1180 AVENUE OF THE AMERICAS
NEW YORK, NEW YORK 10036-8403
CUSTOMER NO. 2352

DIRECT TELEPHONE CALLS TO:
(212) 382-0700

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | | | |
|--|--|--|--------------------------|
| FULL NAME OF SOLE OR FIRST INVENTOR Osamu CHIKAGAWA | | INVENTOR'S SIGNATURE <i>Osamu Chikagawa</i> | DATE 6/22/2001 |
| RESIDENCE (City and either State or Foreign Country) Moriyama-shi, Shiga-ken, Japan | | COUNTRY OF CITIZENSHIP Japan | |
| POST OFFICE ADDRESS c/o (A170) Intellectual Property Department, Murata Manufacturing Co., Ltd., 26-10, Tenjin 2-chome, Nagaokakyo-shi, Kyoto-fu 617-8555, Japan | | | |
| FULL NAME OF SECOND JOINT INVENTOR (IF ANY) Naoya MORI | | INVENTOR'S SIGNATURE <i>Naoya Mori</i> | DATE 6/25/2001 |
| RESIDENCE (City and either State or Foreign Country) Omihachiman-shi, Shiga-ken, Japan | | COUNTRY OF CITIZENSHIP Japan | |
| POST OFFICE ADDRESS c/o (A170) Intellectual Property Department, Murata Manufacturing Co., Ltd., 26-10, Tenjin 2-chome, Nagaokakyo-shi, Kyoto-fu 617-8555, Japan | | | |

☒ CONTINUED ON PAGE 2

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|---|--------------------------------------|--|---|---------|--------------------|--------------------------------------|---|-------|-------------|---------------|----------------------|-------|-------------|---------------|----------------------|--|--|--|------------------|----------------------------------|--------------------------------------|--|--|--|--|--|--|--|--|--|--|
| <p>As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named) of the subject matter which is claimed and for which a patent is sought on the invention entitled:</p> <p>INSULATIVE CERAMIC COMPACT</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>the specification of which is attached hereto, unless the following box is checked:</p> <p><input type="checkbox"/> was filed on _____ as United States patent Application Number or PCT International patent application number _____ and was amended on _____ (if any).</p> <p>I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.</p> <p>I acknowledge the duty to disclose all information known to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.</p> <p>I hereby claim priority benefits under Title 35, United States Code §119 of any foreign application(s) for patent or inventor's certificate or United States provisional application(s) listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:</p> <p>Prior Foreign or Provisional Application(s)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">COUNTRY</th> <th style="width: 25%;">APPLICATION NUMBER</th> <th style="width: 25%;">DATE OF FILING (day, month, year)</th> <th style="width: 25%;">PRIORITY CLAIMED UNDER 35 U.S.C. 119</th> </tr> </thead> <tbody> <tr> <td>Japan</td> <td>2000-220869</td> <td>July 21, 2000</td> <td>YES <u>X</u> NO ____</td> </tr> <tr> <td>Japan</td> <td>2000-220868</td> <td>July 21, 2000</td> <td>YES <u>X</u> NO ____</td> </tr> <tr> <td></td> <td></td> <td></td> <td>YES ____ NO ____</td> </tr> </tbody> </table> <p>I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">UNITED STATES APPLICATION NUMBER</th> <th style="width: 33%;">DATE OF FILING (day, month, year)</th> <th style="width: 34%;">STATUS (patented, pending, abandoned)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>I hereby appoint customer no. 2352 OSTROLENK, FABER, GERB & SOFFEN, LLP, and the members of the firm, Samuel H. Weiner - Reg. No. 18,510; Jerome M. Berliner - Reg. No. 18,653; Robert C. Faber - Reg. No. 24,322; Edward A. Meilman - Reg. No. 24,735; Steven I. Weisburd - Reg. No. 27,409; Max Moskowitz - Reg. No. 30,576; Stephen A. Soffen - Reg. No. 31,063; James A. Finder - Reg. No. 30,173; William O. Gray, III - Reg. No. 30,944; Louis C. Dujmich - Reg. No. 30,625; Douglas A. Miro - Reg. No. 31,643, and Michael J. Scheer - Reg. No. 34,425, as attorneys with full power of substitution and revocation to prosecute this application, to transact all business in the Patent & Trademark Office connected therewith and to receive all correspondence.</p> <p>SEND CORRESPONDENCE TO: OSTROLENK, FABER, GERB & SOFFEN, LLP 1180 AVENUE OF THE AMERICAS NEW YORK, NEW YORK 10036-8403 CUSTOMER NO. 2352</p> <p style="text-align: right;">DIRECT TELEPHONE CALLS TO: (212) 382-0700</p> <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p> | | | | COUNTRY | APPLICATION NUMBER | DATE OF FILING (day, month, year) | PRIORITY CLAIMED UNDER 35 U.S.C. 119 | Japan | 2000-220869 | July 21, 2000 | YES <u>X</u> NO ____ | Japan | 2000-220868 | July 21, 2000 | YES <u>X</u> NO ____ | | | | YES ____ NO ____ | UNITED STATES APPLICATION NUMBER | DATE OF FILING (day, month, year) | STATUS (patented, pending, abandoned) | | | | | | | | | |
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| FULL NAME OF SOLE OR FIRST INVENTOR Osamu CHIKAGAWA | | INVENTOR'S SIGNATURE <i>Osamu Chikagawa</i> | DATE 6/22/2001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RESIDENCE (City and either State or Foreign Country) Moriyama-shi, Shiga-ken, Japan | | COUNTRY OF CITIZENSHIP Japan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| POST OFFICE ADDRESS c/o (A170) Intellectual Property Department, Murata Manufacturing Co., Ltd., 26-10, Tenjin 2-chome, Nagaokakyo-shi, Kyoto-fu 617-8555, Japan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FULL NAME OF SECOND JOINT INVENTOR (IF ANY) Naoya MORI | | INVENTOR'S SIGNATURE <i>Naoya Mori</i> | DATE 6/25/2001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RESIDENCE (City and either State or Foreign Country) Omiachiman-shi, Shiga-ken, Japan | | COUNTRY OF CITIZENSHIP Japan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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☒ CONTINUED ON PAGE 2

08-02-2001



P/1071-1387

PATENT:

101796095 SHEET

To the Assistant Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

| | |
|--|---|
| 1. Name of conveying party(ies): Osamu CHIKAGAWA 7-19-0) Naoya MORI Yasutaka SUGIMOTO Type of Entity: Individuals Additional names(s) of conveying party(ies) attached? No | 2. Name and Address of receiving party(ies): Murata Manufacturing Co., Ltd. 26-10, Tenjin 2-chome Nagaokakyo-shi, Kyoto-fu 617-8555, Japan Type of Entity: Corporation-Japan Additional name(s) & address(es) attached? No |
| 3. Nature of Conveyance: Assignment Execution Date: June 22 and 25, 2001 | |
| 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: June 22 and 25, 2001 | |
| A. Application No.(s) 17/24/2001 HU E333 00000052 99909337 10 001581 40.00 EP Additional numbers attached? No | B. Patent No.(s) |
| 5. Name and address of party to whom correspondence concerning document should be mailed: OSTROLENK, FABER, GERB & SOFFEN, LLP 1180 Avenue of the Americas New York, New York 10036-8403 | 6. Total number of documents involved: 1 |
| OSTROLENK, FABER, GERB & SOFFEN, LLP 1180 Avenue of the Americas New York, New York 10036-8403 | 7. Total fee (37 CFR 3.41): \$ 40.00 Enclosed as part of Check No. 005652 In the event the actual fee is greater than the payment submitted or is inadvertently not enclosed or if any additional fee due is not paid, the Patent and Trademark Office is authorized to charge the underpayment to Deposit Account No. 15-0700. |
| | |
| DO NOT USE THIS SPACE | |
| 8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Edward A. Meilman Signature Date July 19, 2001 Name of Person Signing Total number of pages including cover sheet, attachments, and document: 2 | |

 J1036 U.S. PTO
 09/909337
 07/19/01

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OCT 11 2001

PATENT APPLICATION ASSIGNMENT -
SOLE OR JOINT INVENTORS
EXECUTED OUTSIDE U.S.A.

OFGS FILE NO. P/1071-1387

WHEREAS, We, Osamu CHIKAGAWA, Naoya MORI and Yasutaka SUGIMOTO, as assignors, have invented certain improvements in INSULATIVE CERAMIC COMPACT for which an application for United States Letters Patent has been executed by us of even date herewith; and

WHEREAS, Murata Manufacturing Co., Ltd., 26-10, Tenjin 2-chome, Nagaokakyo-shi, Kyoto-fu 617-8555, Japan, as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, We, as assignors, hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for ourselves and our legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said inventions and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all other countries, the expenses incident to said applications to be borne and paid by said assignee.

Date: 5/22/2001

Osamu Chikagawa

Osamu CHIKAGAWA

Date: 6/25/2001

Naoya Mori

Naoya MORI

Date: 6/28/2001

Yasutaka Sugimoto

Yasutaka SUGIMOTO

LEGALIZATION RECOMMENDED



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

OCTOBER 01, 2001

PTAS

OSTROLENK, FABER, GERB & SOFFEN LLP
EDWARD A. MEILMAN
1180 AVENUE OF THE AMERICAS
NEW YORK, NEW YORK 10036-8403



101796095A

**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/19/2001

REEL/FRAME: 012018/0846
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHIKAGAWA, OSAMU

DOC DATE: 06/22/2001

ASSIGNOR:

MORI, NAOYA

DOC DATE: 06/25/2001

ASSIGNOR:

SUGIMOTO, YASUTAKA

DOC DATE: 06/25/2001

ASSIGNEE:

MURATA MANUFACTURING CO., LTD.
26-10, TENJIN 2-CHOME NAGAOKAKYO-
SHI
KYOTO-FU 617-8555, JAPAN

SERIAL NUMBER: 09909337
PATENT NUMBER:

FILING DATE: 07/19/2001
ISSUE DATE:

012018/0846 PAGE 2

LAZENA MARTIN, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

PATENTS RECORDATION COVER SHEET

To the Assistant Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):

Osamu CHIKAGAWA
Naoya MORI
Yasutaka SUGIMOTO

Type of Entity: Individuals

Additional names(s) of conveying party(ies) attached? No

2. Name and Address of receiving party(ies):

Murata Manufacturing Co., Ltd.
26-10, Tenjin 2-chome
Nagaokakyo-shi, Kyoto-fu
617-8555, Japan

Type of Entity: Corporation-Japan

Additional name(s) & address(es) attached? No

3. Nature of Conveyance:

Assignment

Execution Date: June 22 and 25, 2001

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Enclosed as part of Check No. 005652

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8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached
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Edward A. Meilman

Name of Person Signing



Signature

July 19, 2001

Date

Total number of pages including cover sheet, attachments, and document: 2

PATENT APPLICATION ASSIGNMENT -
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By: 6/22/2001

Date: 6/25/2001

Date: 6/28/2001

Osamu Chikagawa
Osamu CHIKAGAWA

Naoya Mori
Naoya MORI

Yasutaka Sugimoto
Yasutaka SUGIMOTO

LEGALIZATION RECOMMENDED